

## L-arabinose isomerase

Cat. No. EXWM-5475

Lot. No. (See product label)

### Introduction

**Description** Requires a divalent metal ion (the enzyme from the bacterium *Escherichia coli* prefers  $Mn^{2+}$ ). The enzyme binds the closed form of the sugar and catalyses ring opening to generate a form of open-chain conformation that facilitates the isomerization reaction, which proceeds via an ene-diol mechanism. The enzyme can also convert D-galactose to D-tagatose with lower efficiency.

**Synonyms** L-arabinose ketol-isomerase; araA (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 5.3.1.4

**CAS No.** 9023-80-7

**Reaction** L-arabinose = L-ribulose

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.